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Abstract

A dual-mode twin-chamber thrust bearing has a work chamber and an equalizing chamber. The chambers are separated by a partition.

5 The partition has a passageway in the center that is closable via
an actuator, and also has a damping channel that hydraulically
connects the two chambers. The partition also has holes. A
membrane is located in a recess in the partition. The partition
covers the holes in the partition and can be tightly sealed. An
10 axially movable pressure disk secures or releases the membrane as
it is pushed by the actuator. The pressure disk is provided with
holes in the area of the partition holes.

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